

## Do light and gravity travel at the same speed?

In order to answer this question, we must start by distinguishing between a mathematical ‘physicist’ and a genuine physicist. A non-physicist is quickly identified because he introduces into the discussion words like *particle*, *rays*, *waves*, *energy*, and *field*. Of course, if light and gravity are mediated by any of these one-way mechanisms, we can talk about speed and ponder whether gravity travels as fast as or faster than light. If neither light nor gravity is mediated by abstract mathematical concepts, then all talk of travel and speed needs to be reevaluated.

### Can gravity be simulated with one-way particles?

Quantum Mechanics is famous for proposing a universe comprised entirely of discrete particles. Quantum is also famous for failing to incorporate gravity into its [Standard Model](#) (of particles). The Quantum mathematicians never will. It is patently obvious after one hundred years that the so-called mathematical ‘physicists’ have been unable to simulate ANY invisible phenomenon – *light*, *gravity*, *magnetism*, *electricity*, *workings of the atom* – with discrete particles. The fatal wound of one-way particles is that under no circumstances can they rationalize the force of PULL.

1. How does a proton physically PULL on an electron and keep this bead from spontaneously drifting out of the atom?
2. How does a gluon physically PULL on two quarks?
3. How does the Earth physically PULL on you? What entity comes in contact with your skin?

In Quantum Mechanics, the mathematical ‘physicists’ have allegedly discovered four forces: electromagnetism, gravity, strong and weak. However, in Physics there are only two forces: PUSH and PULL. There is no other form of physical contact we can imagine. Indeed, the so-called ‘weak’ force of Mathematics is merely another force of push and the so-called ‘strong’ force is just another force of pull. Rather than twirl around with irrelevant equations, the task of the mathematicians who usurped the title of ‘physicists’ was to identify the secret agents that Mother Nature uses as mediators. They never have and never will. They never will because a mathematician is simply unqualified for this line of work. Identifying invisible mediators is not part of a mathematical “physicist’s” job description.

## Quantum Mechanics is not a theory

Let's begin by clarifying that Quantum Mechanics is not a theory as its defenders would have you believe. A theory is not a description, mathematical or otherwise. A theory is an explanation. When someone asks you to tell your theory of how the window broke, he is not asking you to robotically recite that the glass shattered because you counted all the shards on the floor. You tell your interlocutor how you think the event happened: the cause, the mechanism. "My theory is that a baseball struck the window."

What Quantum Mechanics has are mathematical descriptions and not a single rational mechanism of how the subatomic works. [Decoherence](#), [entanglement](#), [tunneling](#), [superposition](#), [Uncertainty](#), [Complementarity](#), etc., are all... shall we say... counter-intuitive (i.e., IRRATIONAL). Or as Nobel Prize Richard Feynman made clear...

*"Quantum mechanics" is the DESCRIPTION of the behavior of matter in all its details and, in particular, of the happenings on an atomic scale... One might still like to ask: "How does it work? What is the machinery behind the law?" No one has found any machinery behind the law. No one can "explain"... No one will give you any deeper representation of the situation. We have no ideas about a more basic mechanism from which these results can be deduced.*

R. Feynman, Feynman Lectures, *Quantum behavior*, Volume I, Chp 37 (1963)

Therefore, Quantum Mechanics does not have theories (explanations of mechanisms) and, therefore, Quantum Mechanics is not a theory. Quantum Mechanics is nothing but a mathematical description that proponents will forever be unable to make work by simulating it with discrete particles.

And no, just in case, computers do not work because of Quantum Mechanics. Quantum Mechanics had nothing to do with the development of the silicon chip and semiconductors. Like all technology, it was developed in the lab by trial and error. The notion Quantum mathematicians spread around that [we wouldn't have computers if it weren't for Quantum 'theory'](#) (mechanisms, causes) is a myth.

It is clear to a thinking human being that, if after one hundred years, Quantum Mechanics has failed to explain any invisible phenomenon in a rational manner, the time was ripe to apply [Popperian falsifiability](#), dump Quantum Mechanics' Particle Hypothesis in the ash heap of history, and brainstorm new assumptions.

## **A different assumption**

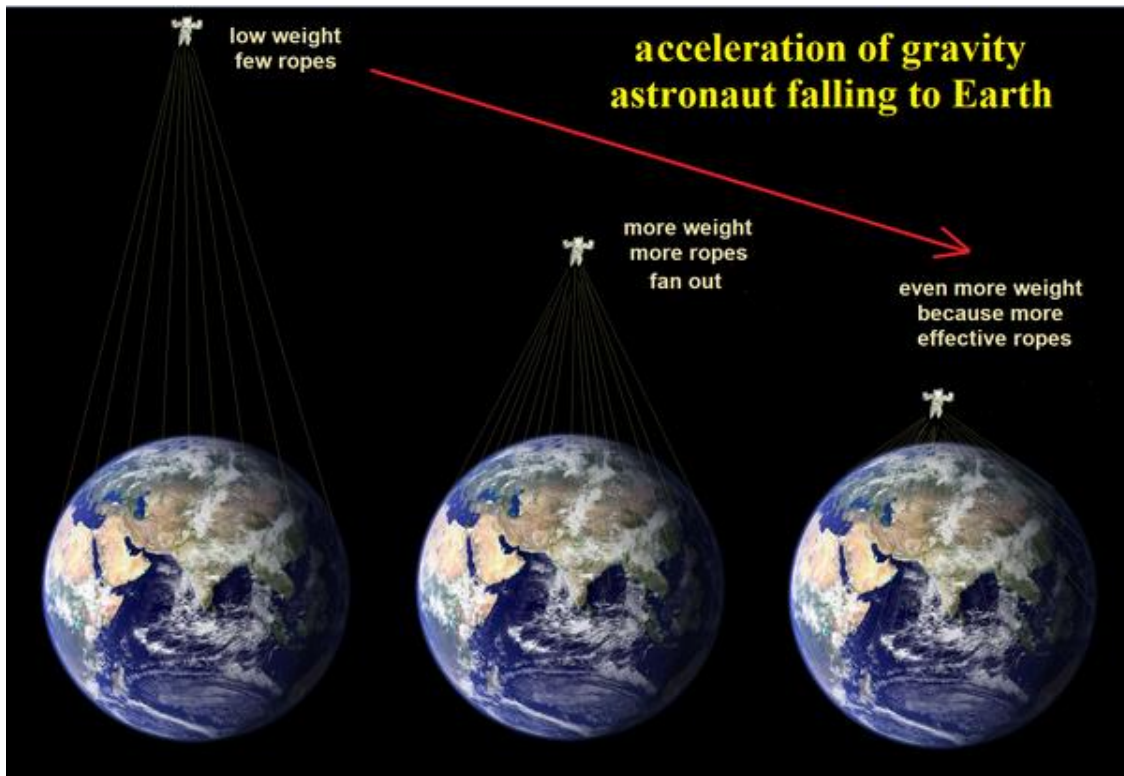
If we simulate both light and gravity with an invisible, intangible entity that has the structural configuration of DNA, we can for the first time imagine what the mathematicians have been searching for decades: the grand unified theory (GUT). Essentially, the famous GUT is an attempt to merge light with gravity.

Let's assume that all atoms in existence are physically interconnected by a pair of twined threads: a rope. The atoms expand and contract, a phenomenon known as Quantum Jump. This activity torques the rope. Light consists of torsion 'waves' propagating along a physical mediator. The atom is a tiny heart pumping torsion waves to every atom in the Universe. Interestingly, torsion 'propagates' in both directions. Actually, the rope merely twirls *in situ*. The atoms at either end merely sense a thump when the rope twists: a 'photon' is born.

If for the sake of argument, we concede this assumption, gravity naturally falls into place in the scheme of things. If all atoms are interconnected, as an object falls to Earth, the ropes fan out. There are more independent ropes connected to each atom of the falling object as distance decreases. At any given distance, the number of 'effective' ropes converging on the object is a measure of its weight. Gravitational acceleration is the set of weights at different distances.

We can now answer the question at the start of our inquiry. The object that mediates light and gravity does not travel. It spins in place. That's why both light and gravity are so fast. Torsion along the rope (light) propagates at 300,000 km/s. Gravity is 'instantaneous' only in the sense that when an object moves closer to another, the ropes fan out and its weight (i.e., number of effective ropes) consequently changes. The 'speed of gravity' is incomprehensibly 'instantaneous' only under the Particle Hypothesis.

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### **The skeptic remains unconvinced**

The typical questions a skeptic raises is:

1. Why can't we see these EM ropes if they are objects?
2. Why don't these gazillions of ropes get tangled?

Reply 1: The first thing people have to realize is that Quantum particles are not off the hook on this issue. We can just as well ask: “Why don’t we see these particles? How do they avoid colliding?” The mathematical ‘physicists’ have parried these questions by alleging that Quantum particles are not classical particles, or that they are 0D ‘point’ particles. In other words, they are magical particles. Therefore, Quantum has no answer to the same questions.

Reply 2: No one in the last 10,000 years has defined the word *object* (thing, entity, body, etc.) scientifically for the purposes of Physics despite that you cannot do Physics without an object. This is not surprising because Mathematics has no use for objects. Mathematics deals exclusively with quantitative relations. Mathematicians are totally oblivious of physical objects.

In Physics, on the other hand, an object is defined as:

*object: that which has shape*

In other words, there is no provision for seeing or touching in the scientific definition of the word object.

Reply 3: Mother Nature has specifically made her mediators invisible and intangible. Imagine she had been as absent minded as the skeptic and made the secret agents that underlie light and gravity visible and tangible. That’s all that we would see. That is all that we would touch. It would be a chaotic mess. Even air is invisible... for else that’s all we would see throughout the day.

Therefore, it is irrational to attempt to prove the existence of the EM rope through observation, handling, or experiment. The skeptic is making an irrational request. The only way to approach the mediator of light and gravity is through thinking, imagining, visualizing. A spectator does not rush to his basement and run an experiment to simulate how the magician made the rabbit appear out of the hat on stage. He attempts to visualize how his eyes were fooled. And in the case of the magician, you can perhaps confirm your hunches by asking him. With Mother Nature, we’re forever denied proving invisible intangible entities. We can only imagine the mechanism that she uses to do her tricks.